

## A Study in Scarlet

by Arya Akhavan (November 2012)

Angles for R.I. = 1.620

45 + 8 girdles = 53 facets

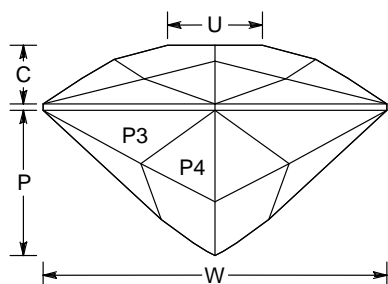
1-fold, mirror-image symmetry

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L/W = 1.082 T/W = 0.297 U/W = 0.276

P/W = 0.422 C/W = 0.170

Vol./W<sup>3</sup> = 0.166



### PAVILION

P1	41.00°	33-39-45-51-57-63	Cut to centerpoint.
P2	50.33°	18-78	Meet at culet.
G1	90.00°	15-81	Set stone size.
G2	90.00°	33-39-45-51-57-63	Meet P1, P2, G1
P3	75.00°	15-81	Level girdle.
P4	50.33°	12-84	Meet G1, P3
P5	43.00°	14-82	Meet P2, P3, P4

### CROWN

C1	40.00°	33-39-45-51-57-63	Set girdle width.
C2	45.00°	15-81	Level girdle.
C3	36.00°	16-80	Meet G1, G2, C1, C2
C4	35.00°	14-82	Meet G2, C2
C5	30.00°	15-81	Meet C2, C3, C4
C6	35.00°	35-37-41-43-47-49-53-55-59-61	Meet C1, G2
C7	28.00°	45-51	Meet C1, C6
C8	20.96°	47-49	Meet C6, C7
C9	13.38°	39-57	Meet C3, C5, C6
T	0.00°	Table	Meet C8, C9

For some reason, I was craving pizza, I wanted to try out a new interesting outline, and I was reading some old Sherlock Holmes. I figured this would be the perfect name. There will always be some tiny random windows, but barring that, this design works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes.

Suggested length = 8-12 mm

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